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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 11:18:58 ; Search time 57.2121 Seconds  
(without alignments)  
5580.127 Million cell updates/sec

Title: US-09-807-933B-12  
Perfect score: 1041  
Sequence: 1 atgaagtcttcattcatgc.....ctggtgagcgcaagtaa i041

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15333831 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA: \*  
1: /cgn2\_6/ptodata/1/ina/5A COMB.seq.\*  
2: /cgn2\_6/ptodata/1/ina/5B COMB.seq.\*  
3: /cgn2\_6/ptodata/1/ina/6A COMB.seq.\*  
4: /cgn2\_6/ptodata/1/ina/6B COMB.seq.\*  
5: /cgn2\_6/ptodata/1/ina/PTUS COMB.seq.\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	241	23.2	919	4	US-09-189-060B-67
2	236.6	22.7	1423	3	US-08-651-136C-9
3	236.6	22.7	1423	4	US-09-229-911A-9
4	235.2	22.6	1473	1	US-08-090-013-3
5	235.2	22.6	1473	1	US-08-081-328-3
6	235.2	22.6	1473	1	US-08-232-249-3
7	235.2	22.6	1473	2	US-08-833-642A-3
8	235.2	22.6	1473	2	US-08-389-423-3
9	235.2	22.6	1473	4	US-09-230-665-3
10	235.2	22.6	1473	4	US-09-189-028-3
11	233.2	22.4	960	3	US-08-651-136C-1
12	233.2	22.4	960	4	US-09-229-911A-1
13	231.8	22.3	927	3	US-08-651-136C-5
14	231.8	22.3	927	4	US-09-229-911A-5
15	230.4	22.1	894	3	US-08-651-136C-3
16	230.4	22.1	894	4	US-09-229-911A-3
17	228	21.9	1174	2	US-08-872-437-1
18	228	21.9	1174	3	US-08-651-136C-11
19	228	21.9	1174	4	US-09-229-911A-11
20	226.2	21.7	984	4	US-09-230-665-7
21	224.6	21.6	922	4	US-09-189-060B-73
22	222.8	21.4	924	4	US-09-189-060B-69
23	217.2	20.9	807	4	US-09-230-665-5
24	217.2	20.9	1060	1	US-08-090-013-1
25	217.2	20.9	1060	1	US-08-081-328-1
26	217.2	20.9	1060	1	US-08-232-249-1
27	217.2	20.9	1060	2	US-08-921-426-7

28	217.2	20.9	1060	2	US-08-833-642A-1	Sequence 1, Appli
29	217.2	20.9	1060	2	US-08-140-008A-3	Sequence 3, Appli
30	217.2	20.9	1060	2	US-08-389-423-1	Sequence 1, Appli
31	217.2	20.9	1060	3	US-08-816-915-7	Sequence 7, Appli
32	217.2	20.9	1060	4	US-09-189-060B-55	Sequence 55, Appli
33	217.2	20.9	1060	4	US-09-230-665-1	Sequence 1, Appli
34	217.2	20.9	1060	4	US-09-189-028-1	Sequence 1, Appli
35	217.2	20.9	1060	5	PCT-US95-07743-7	Sequence 7, Appli
36	213.6	20.5	1132	3	US-08-651-136C-21	Sequence 21, Appli
37	213.6	20.5	1132	4	US-09-229-911A-21	Sequence 21, Appli
38	209	20.1	922	4	US-09-189-060B-65	Sequence 65, Appli
39	208	20.0	1154	3	US-08-651-136C-7	Sequence 7, Appli
40	208	20.0	1154	4	US-09-229-911A-7	Sequence 7, Appli
41	207.4	19.9	913	3	US-08-651-136C-13	Sequence 13, Appli
42	207.4	19.9	913	4	US-09-229-911A-13	Sequence 13, Appli
43	205.6	19.8	885	3	US-08-651-136C-23	Sequence 23, Appli
44	205.6	19.8	885	4	US-09-229-911A-23	Sequence 23, Appli
45	199.4	19.2	912	4	US-09-189-060B-71	Sequence 71, Appli

ALIGNMENTS

RESULT 1

US-09-189-060B-67  
; Sequence 67, Application US/09189060B  
; Patent No. 6270968  
; GENERAL INFORMATION:  
; APPLICANT: Dalboge, Henrik  
; APPLICANT: Sandal, Thomas  
; APPLICANT: Kauppinen, Markus  
; APPLICANT: Borge, Diderichsen  
; TITLE OF INVENTION: Method Of Providing No. 6270968el DNA Sequences  
; FILE REFERENCE: 4772.204-US  
; CURRENT APPLICATION NUMBER: US/09/189,060B  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: PCT/DK97/00216  
; NUMBER OF SEQ ID NOS: 74  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 67  
; LENGTH: 919  
; TYPE: DNA  
; ORGANISM: Hybrid  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (2)... (919)  
US-09-189-060B-67

Query Match		23.2%;	Score 241;	DB 4;	Length 919;
Best Local Similarity		63.1%;	Pred. No. 2e-46;		
Matches 392;		Conservative 0;	Mismatches 220;	Indels 9;	Gaps 1;
QY	417	TGCTTCTCTCGGAACGGTCGCACCTACCGCTACTGGGATTGCTGCAAGCCCTCTTTCGCG	476		
Db	61	TGCTTCTCTCGCTGCTGATGGCAGGTCCACGAGGTACTGGGATTGTTGTAAGCCCTCTTTCGCTC	120		
QY	477	CTGGGCGCAAGAGGCTTCTGTAAGCTGTACTACCTGTGCCAAGATGGTGTCTAG	536		
Db	121	CTGGGCGCAAGAGGCTTCTGATGGCAGGTCCACGAGGTACTGGGATTGTTGTAAGCCCTCTTTCGCTC	180		
QY	537	CGCTCTCGTTCGGATGTCCAGAGGGTTGCGTCCGCGCCAGGCTTACATGTGCAATGA	596		
Db	181	CATCTCCGAGCCCAAGCCGCTGAGCGGTTGCAACGCGGCACTTCTTACCTCTGACGAA	240		
QY	597	CAACAGGCTCGGGTTGTCAATGACGACCTTGCCTACGGTTGCTGTGCCAGTCTCGG	656		
Db	241	CAACTCCCGTGGGCTGTCAACGACAACTCGCTATGGCTTGGCGCTTACCAAGCTCTC	300		
QY	657	TAGCGCGGTGCTCTGCAATTCGTGCGGCTGTGTACGAGCTTACCTTACCACCACTGC	716		
Db	301	TGGAGGCTCCGAGTCCAGCTGGTGTGCTTGTCTACGCTTTCACCTTACGACTGGCCC	360		

717 TGTCTGCTGGCAGAGAGTTTGTCTCCAGGTACCAACACCGGTGATGATCTCAGCACCA 776  
361 CGTGAAGGCAAGACCATGTGTACAGTCCACCAACCGGAGCGATCTCGGCGAGAA 420  
777 CCACTTTGATTCAGATGCCCGCGGTGTGCTGCTACTTCAACGGCTGCCAGTCCCA 836  
421 CCACTTCGATCTCAGATGCCCGCGGTGTGCTGCTACTTCAACGGCTGCCAGTCCCA 480  
837 GTGGAACACCAACCGATGGCTGGGCTGCTGCTATGCGGTGATGATGATGATGATGAT 896  
481 GTGG-----GGTGGCTGCGGCTGCTGCTAGTACCGCGGATCTCGTCCGGAAGCA 531  
897 GTGCGCAAGAGTCTCAGATGCCCGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 956  
532 CTGCGACAGCTTCCCGAGTGTCTCAAGGAGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 591  
957 GNAAGCTGACACCAACCGAGGTACCTTCAAGGCTGTTACTTGGCCCTGCCAGATCATGTC 1016  
592 GNAAGCTGACACCAACCGAGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 651  
1017 CAAGACTGGTTGGAGCGCAA 1037  
652 TCGCAGCGGATGCCGCGCAA 672

RESULT 2  
US-08-651-136C-9  
; Sequence 9, Application US/08651136C  
; Patent No. 6001639  
; GENERAL INFORMATION:  
; APPLICANT: Schulein, Martin  
; APPLICANT: Andersen, Lene N.  
; APPLICANT: Lassen, Soren F.  
; APPLICANT: Kauppinen, Markus S.  
; APPLICANT: Lange, Lene  
; APPLICANT: Nielsen, Ruby I.  
; APPLICANT: Ihara, Michiko  
; APPLICANT: Takagi, Shinobu  
; TITLE OF INVENTION: No. 6001639el Endoglucanases  
; NUMBER OF SEQUENCES: 109  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: No. 6001639o No. 6001639disk of No. 6001639th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: United States of America  
; ZIP: 10174-6401  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; FILING DATE: 21-MAY-1996  
; APPLICATION NUMBER: US/08/651,136C  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lambiris, Elias J.  
; REGISTRATION NUMBER: 33,728  
; REFERENCE/DOCKET NUMBER: 4366.200-US  
; TELEPHONE: 212-867-0123  
; TELEFAX: 212-878-9655  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1423 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cdna  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 110..1156

US-08-651-136C-9  
Query Match 22.7%; Score 236.6; DB 3; Length 1423;  
Best Local Similarity 62.7%; Pred. No. 2.3e-45;  
Matches 387; Conservative 0; Mismatches 224; Indels 6; Gaps 1;  
QY 418 GGCTTCTCTGAAACGGTTCGCACTACCCGCTACTTGGGATTCGTGCAAGCCCTCTTGGGCC 477  
Db 167 GCGGCTCGGCAAGGCCACACCCCGCTACTTGGGATTCGTGCAAGCCCTCTTGGGCCA 226  
QY 478 TGGGACGGAAGGCTTCTGTAACCTAAGCCTGTACTACCTGTGCAAGGATGGTGTGTCAGC 537  
Db 227 TGGGAGGCAAGGATCGGTCTCGAGCTGTCTGACCTGTACCTGTACAGCAGGACCAACCCC 286  
QY 538 CGTCTCGGCTCCGATGTCCAGAGGGTTCGCTCGCGGCCAGGCTACATGTGCAATGAC 597  
Db 287 ATCTGCTGATCCACAGCCAGAGCGGTGCGACGCGCGGGGCAATTTGGCTGTACCAAC 346  
QY 598 AACAGCCCTGGGTTCATGACGACCTTGCCTACGGTTCGCTGCTGCTGCTGCTGCTGCTGCT 657  
Db 347 AATTCCTTGGGCGGTGAGCGAGACCTTGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 406  
QY 658 AGGCGCGGTGCTCTGCAATTCGCTGCGGCTGTACAGAGCTTACCTTCAACCAACACTGCT 717  
Db 407 GCGGCGACTGAGGCGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 466  
QY 718 GTGCTGCGCAAGAGTTTGTGCTCAGGTACCAACACCGGTGATGATCTCAGCACCAAC 777  
Db 467 GTGCTGCGCAAGAGTGTGCTCAGTCCACCAACAGCGGAGGCGACTGTCCCAACAC 526  
QY 778 CACTTTGATTCAGATGCCCGCGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 837  
Db 527 CACTTTGATTCAGATGCCCGCGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 586  
QY 838 TGGACACCAACACCGAGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 897  
Db 587 T-----TCGGACACTTCTCCCGCGAGCGGTACGGAGGTGTTCGTCGCGCTCTCAA 640  
QY 898 TGGCAACAGTTCCTACCGAGTTCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 957  
Db 641 TGGGATGGATGCCCGAGCTCTTGAAGAGCGGTGCGCAGTGGCGCTTTCAGCTGTTTCAAG 700  
QY 958 AACGCTGACAAACCGAGGTACCTTCAAGGCTGTTTACTTGGCTGCTGCTGCTGCTGCTGCTGCT 1017  
Db 701 AACTCAGACCAACCTGACATCGAGTTCGAGAGTTCAGTGTCCCAAGAGGCTCATTTGGC 760  
QY 1018 AACACTGGTTGGAGCG 1034  
Db 761 GTCTCTGGGTGCGTCCG 777  
RESULT 3  
US-09-229-911A-9  
; Sequence 9, Application US/09229911A  
; Patent No. 6387690  
; GENERAL INFORMATION:  
; APPLICANT: Schulein, Martin  
; APPLICANT: Andersen, Lene N.  
; APPLICANT: Lassen, Soren F.  
; APPLICANT: Kauppinen, Markus S.  
; APPLICANT: Lange, Lene  
; APPLICANT: Nielsen, Ruby I.  
; APPLICANT: Ihara, Michiko  
; APPLICANT: Takagi, Shinobu  
; TITLE OF INVENTION: No. 6387690el Endoglucanases  
; NUMBER OF SEQUENCES: 109  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: No. 6387690o No. 6387690disk of No. 6387690th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: United States of America  
; ZIP: 10174-6401

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/229,911A  
FILING DATE: 13-Jan-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1423 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 110..1156  
SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
US-09-229-911A-9

Query Match 22.7%; Score 236.6; DB 4; Length 1423;  
Best Local Similarity 62.7%; Pred. No. 2.3e-45; Indels 6; Gaps 1;  
Matches 387; Conservative 0; Mismatches 224;

QY 418 GGCTTCTTGGAAACGGTTCGACCTACCGCTACTGGGATTGCTGCAAGCCCTCTTCGGCC 477  
DB 167 GCGCCCTCGGCAAGGCCACACACCGCTACTGGGATTGCTGCAAGACTTCTTGGCA 226  
QY 478 TGGGAGGAAAGGCTTCTGTAACTAAGCTGTGTAACCTGTGCCAAGATGTGTGACG 537  
DB 227 TGGGAGGCAAGGATCCGCTCTCGAGCCCTGTCTGACCTGTAAACAGCAGGCAACCC 286  
QY 538 CGTCTCGGTTCCGATGTCAGACGGTGTGGTGGGGCCAGCCCTACATGTGCAATGAC 597  
DB 287 ATCGTCGATCCCAACGCCAGACGGCTGCGAGCGGGCGGGGCAATTCCTGTACCAAC 346  
QY 598 AACACGCGCTGGGTTGTCAATGACGACCTTGGCTACGGTTTTCGCTGCGCAGTCTCGGT 657  
DB 347 AATTCCCTTGGCGCGTGAGCGAGGACCTGGCCTACGGATTTCGTCACAGCCCTCAGC 406  
QY 658 AGCGCGGTGCTCTGCAATTCGCTGGGCTGTAGAGCTTACCTTACCAACATGCT 717  
DB 407 GCGGCACTGAGGCGCAGCTGTGTCTGGCGTGTAGCCATCATTCACGAGTGGCCCT 466  
QY 718 GTCGCTGGCAAGATTGTGCTCCAGGTCAACACACCGGTGATGATCTCAGCAACAAC 777  
DB 467 GTGGCTGGCAAGATGTGTGCTCCAGTCCAGACACGGGAGGCGACCTGTCCACAAC 526  
QY 778 CACTTTGATTGAGATGCCCGGGTGTGTGCGGTACTTCAACGGCTGCCAGTCCAG 837  
DB 527 CACTTTGACCTGATTTCCCGTGGAGGCTCGGCATCTTTGACGGTTGCTCGGCTCAG 586  
QY 838 TGAACACCAACCGATGCTGGGTGCTGCTATGCGGATATTAGCTTATTTCAGAG 897  
DB 587 T-----TCGCAACAACCTTCTTCGCGGCGAGCGTTACGAGGTGTTTCGTCGCCCTCTCAA 640  
QY 898 TGCACAGGCTTCTACCCAGTGTGCGGTGTGCAAGTGGAGATTTCGATGTTCAAG 957  
DB 641 TCGGATGGCATGCCCGAGCTCTTTGAAAGACGGTTGCCAGGTGGCGCTTCGACTGGTCAAG 700  
QY 958 AACGCTGACCAACCCAGAGGTACCTTCAAGGCTGTACTTGGCCCTGCCGAGATCATTCGC 1017

DB 701 AACTCAGACAACCCCTGACATCGAGTTCGAGAGGTCCAGTGTCCCAAGAGCTCATTTGCG 760  
QY 1018 AAGACTGGTTGGAGCG 1034  
DB 761 GTCTCTGGGTGGTCCG 777

RESULT 4  
US-08-090-013-3  
Sequence 3, Application US/08090013  
Patent No. 5443750  
GENERAL INFORMATION:  
APPLICANT: CONVENTS, ANDRE C  
APPLICANT: BUSCH, ALFRED  
APPLICANT: BAECK, ANDRE C  
TITLE OF INVENTION: DETERGENT COMPOSITION WITH HIGH ACTIVITY  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: THE PROCTER & GAMBLE COMPANY  
STREET: 5299 SPRING GROVE AVENUE  
CITY: CINCINNATI  
STATE: OHIO  
COUNTRY: USA  
ZIP: 45217  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/090,013  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP 91202880.0  
FILING DATE: 06-NOV-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: PATEL, KEN K.  
REGISTRATION NUMBER: 33,988  
REFERENCE/DOCKET NUMBER: CM393  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 513-627-6437  
TELEFAX: 513-627-4854  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1473 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 97..1224  
US-08-090-013-3

Query Match 22.6%; Score 235.2; DB 1; Length 1473;  
Best Local Similarity 63.8%; Pred. No. 4.8e-45; Indels 9; Gaps 2;  
Matches 392; Conservative 0; Mismatches 213;

QY 424 TCTGGAACCGTTCGCACTACCGCTACTGGGATTGCTGCAAGCCCTCTTTCGCGCTGGGAC 483  
DB 151 TCTGGAAGCGGTCACTCTACTCGATACTGGATTGCTGCAAGCCTTCTTCTTCTTGGAGC 210  
QY 484 GGAAGGCTTCTGTAACTAAGCTGTACTCAGCTGTGCCAAGATGGTGTGACCGCTCTC 543  
DB 211 GGAAGGCTGCTGTCAACGCCCTGCTTTAACTTGTGATAAGAACACCAACCCATTTC 270  
QY 544 GGTTCGATGTCCAGAGCGGTG---CGTCGGCGCCAGCCCTACATGTGCAATGACAC 600  
DB 271 AACACCAATGCTGTCAACCGTTGTGAGGGTGGTGTCTGCTTATGCTTGCACCAACTAC 330  
QY 601 CAGCCCTGGGTTGTCAATGACGACCTTGTGCTACGGTTTCGCTGCTGCCAGTCTTCGGTAGC 660

NAME/KEY:	CDS	22.6%;	Score	235.2;	DB 1;	Length	1473;
LOCATION:	97...1224	Best Local Similarity	63.8%;	Pred. No.	4.8e-45;	Indels	9;
US-08-081-328-3		Matches	392;	Conservative	0;	Mismatches	213;
Query Match							
Best Local Similarity							
Matches							
Query	424	TCTGGAAACGGTGGCGACTACCGCTACTGGGATTGCTCAAGAGCCCTCTTTGGCGCTGGGAC	483				
Db	151	TCTGGAAAGCGGTCACTCTACTCGAATCTGGGATTGCTGCAAGCCTCTTGTCTTGGAGC	210				
Query	484	GGAAAGGCTTCTGTAACTAAGCCCTGTACTCACTGTGCGCAAGATGGTGTCAGCCGCTCTC	543				
Db	211	GGAAAGGCTGTGTCAACGCCCTCTGCTTTAACTTGTATAAGAACGACAACCCCAATTTCC	270				
Query	544	GGTTCCGATGTCGAGACGGTTG---CGTCGGCGGCCAGGCTTACATGTGCAATGACAAC	600				
Db	271	AACACCAATGTGTCAACGGTTGTGAGGGTGGTGTCTCTTATGCTTGCACCAACTAC	330				
Query	601	CAGCCCTGGGTTGTCAATGACGACCTTGGCCCTACGGTTTCGCTGTCGACGTCTCGGTAGC	660				
Db	331	TCTCCTTGGGCTGTCAACGATGAGCTTGGCTTACGGTTTCGCTGTACCAAGATCTCGGT	390				
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Db	391	GGCTCCGAGGCGAGCTGGTGTGCTGTCTTGTCTATGCTTTGACCTTCAACCACTGGCCCCGTC	450				
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Db	451	AAGGCGAAGAGATGATCGTCCAGTCCACCAACACTGGAGGTGATCTCGGCGAACCAAC	510				
Query	781	TTTGATTTGAGATGCCCGGCGGTGGTTCGGCTACTTCAACGGCTGCGAGTCCCGAGTGG	840				
Db	511	TTCGATCTCATGATGCCCGGGGTGGTGTGCTGATCTTTCGACGGCTGCACCTCTGAGT--	568				
Query	841	AACACCAACCCGATGGCTGGGGTCTCGCTATGCGGTATTAGCTCTATTTCAGAGTGC	900				
Db	569	----TCGGCAAGGCTCTCGGCGGTGCCAGTACGGCGGTATCTCTCCCGAAGCGAAATGT	624				
Query	901	GACAGCTTCTTACCCAGTTGCAAGCTGGTTCGAAGTGGAGATTCCGATGGTTTCAAGAAC	960				
Db	625	GATAGTACTACCCGAGCTTCTCAAGAGCGGTTCGCTACTGGCGATTGCACTGGTTCGAGAAC	684				
Query	961	GCTGCAACCCGAGAGGTCACTTCAAGGCTGTACTTGGCCCTGCGGAGATCATTTGCCAAG	102				
Db	685	GCCGACAACTCTGACTTCACTTTGAGCAGGTTCACTGGCCCCAAGGCTCTCTCTCGACATC	744				
Query	1021	ACTGGTTGGAGGG	1034				
Db	745	AGTGGATGCAAGCG	758				

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RESULT 6
US-08-232-249-3
; Sequence 3, Application US/08232249
; Patent No. 5610129
; GENERAL INFORMATION:
; APPLICANT: MCCORQUODALE, FINLAY (NMN)
; APPLICANT: BUSCH, ALFRED (NMN)
; TITLE OF INVENTION: DYE TRANSFER INHIBITING COMPOSITIONS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: THE PROCTER & GAMBLE COMPANY
; STREET: 5299 SPRING GROVE AVENUE
; CITY: CINCINNATI
; STATE: OHIO
; COUNTRY: USA
; ZIP: 45217
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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Db 331 TCTCCCTGGGCTGTCAACGATGAGCTTGCTACGGTTTCGCTGTCTACCAAGATCTCCGGT 390  
 QY 661 GCCGGTGCCTCTCGCATTTCTGCTGCGGTCTGTTACGAGCTTACCTTACCAACAAGCTGCTGTC 720  
 Db 391 GGCTCCGAGCCAGCTGGTGTCTGTCTTGTCTATGCTTTGACCTTTCACCACTGGCCCTCGTC 450  
 QY 721 GCTGGCAAGAAGTTTGTGCTGTCGAGGTCAACAACACCGGTGATGATCTCAGCAACCAACCAAC 780  
 Db 451 AAGGGCAAGAAGATGATGCTGCCAGTCCACCAACAATCGAGGTGATCTCGCGCAACCAACC 510  
 QY 781 TTTGATTTGCAGATGCCCGCGGTGTGTGCGGTACTTCAACGGCTGCCAGTCCCAAGTGG 840  
 Db 511 TTCATCTCATGATGCCCGCGGTGTGCGGTATCTTTCACGGCTGCACCTCTGAGT -- 568  
 QY 841 AACCAACAACCGATGGCTGGGTGTGCTGATGCGCGGTATTAGTCTTATTTTCAGAGTGC 900  
 Db 569 ----TCGGCAAGGCTCTCGCGGTGCCAGTACGGCGGTATCTCTCCCAAGCGATGT 624  
 QY 901 GACAGCTTCTCTACCCAGTTGCAGGCTGGTTGCAAGTGGAGATTCGGATGGTTCAAGAAC 960  
 Db 625 GATGCTACCCGAGCTTCTCAAGACGGTTTGCCACTGGCGATTCGACTGGTTCGAGAAC 684  
 QY 961 GGTGCAACCCAGAGGTCACTTCAAGCTGTACTTGGCTGTCGCGGAGATCATTTGCCAAG 1020  
 Db 685 GCCGACAACCTGTACTTCACTTTGAGCAGGTTGAGTCCCGCAAGGCTCTCTCGACATC 744  
 QY 1021 ACTGGTTGGGCGC 1034  
 Db 745 AGTGATGCAAGC 758

RESULT 5  
 US-08-081-328-3  
 ; Sequence 3, Application US/08081328  
 ; Patent No. 5520838  
 ; GENERAL INFORMATION:  
 ; APPLICANT: BAECK, ANDRE C.  
 ; APPLICANT: CEULEMANS, RAPHAEL ANGELINE A.  
 ; APPLICANT: BUSCH, ALFRED (NMN)  
 ; TITLE OF INVENTION: COMPACT DETERGENT COMPOSITIONS WITH  
 ; TITLE OF INVENTION: HIGH ACTIVITY CELLULASE  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: THE PROCTER & GAMBLE COMPANY  
 ; STREET: 11810 East Miami River Road  
 ; CITY: CINCINNATI  
 ; STATE: OHIO  
 ; COUNTRY: USA  
 ; ZIP: 45253-8707

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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/081,328
FILING DATE: 11/19/93
CLASSIFICATION: 252
ATTORNEY/AGENT INFORMATION:
NAME: ZERBY, KIM WILLIAM
REGISTRATION NUMBER: 32,323
REFERENCE/DOCKET NUMBER: CM356M
TELECOMMUNICATION INFORMATION:
TELEPHONE: 513-627-2885
TELEFAX: 513-627-0318
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
FEATURE:

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Wed Jun 18 17:55:11 2003

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721 GCTGGCAAGAGTTTGTGTCAGGTTCACCAACACCGGTGATGATCTCAGACCAACCAAC 780  
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781 TTTGATTGAGATGATGCTGGCGGTGGTGGTCTATTCAACCGGTGCGAGTCCCAAGTG 840  
511 TTGATCTCATGATGCTGGCGGTGGTGGTCTATTCAACCGGTGCGAGTCCCAAGTG 568  
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569 ----TCGGCAAGGCTCTCGCGGTGGTGGTCTATTCAACCGGTGCGAGTCCCAAGTG 524  
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625 GATAGCTACCCGAGCTTCTCAAGGCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 684  
961 GCTGACAAACCGAGGTCACCTTCAAGGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1020  
685 GCCGACAAACCTGACTTACCTTTGAGCAGGTTTCAAGGCTGGTGGTGGTGGTGGTGGTGG 744  
1021 ACTGGTTGGGAGCG 1034  
745 AGTGGATGCAAGCG 758

RESULT 8  
US-08-389-423-3  
; Sequence 3, Application US/08389423  
; Patent No. 5948672  
; GENERAL INFORMATION:  
; APPLICANT: Rasmussen, Grethe  
; APPLICANT: Mikkelsen, Jan Moller  
; APPLICANT: Schuelsen, Martin  
; APPLICANT: Pakar, Shankant A.  
; APPLICANT: Hagen, Fred  
; TITLE OF INVENTION: A Cellulase Preparation Comprising an  
; TITLE OF INVENTION: Endoglucanase Enzyme  
; NUMBER OF SEQUENCES: 33  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: No. 5948672o No. 5948672disk of No. 5948672th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: United States of America  
; ZIP: 10174-6401  
; COMPUTER READABLE FORM:  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/389,423  
; FILING DATE: 14-FEB-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lambiris, Elias J.  
; REGISTRATION NUMBER: 33,728  
; REFERENCE/DOCKET NUMBER: 3469.214-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-867-0123  
; TELEFAX: 212-878-9655  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1473 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO

ORIGINAL SOURCE:  
; ORGANISM: Fusarium oxysporum  
; STRAIN: DSM 2672  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 97..1224  
US-08-389-423-3  
Query Match 22.6%; Score 235.2; DB 2; Length 1473;  
Best Local Similarity 63.8%; Pred. No. 4.8e-45;  
Matches 392; Conservative 0; Mismatches 213; Indels 9; Gaps 2;  
QY 424 TCTGAAACGGTCCGACATACCGCTTACCTGCTGCAAGGATGGTGTGAGCGCTCTC 483  
Db 151 TCTGAAACGGTCTACTCTACTCGATACCTGCTGCAAGGATGGTGTGAGCGCTCTC 210  
QY 484 GGAAGGCTTCTGTAACCTAAGCCTGCTACCTGCTGCAAGGATGGTGTGAGCGCTCTC 543  
Db 211 GGAAGGCTTCTGTAACCTAAGCCTGCTACCTGCTGCAAGGATGGTGTGAGCGCTCTC 270  
QY 544 GGTTCGGATGTCAGAGCGGTG---CGTCGGCGCCAGGCTACATGTGCAATGACAAAC 600  
Db 271 AACACCAATGCTGTCAACGGTGTGAGGCTGTGCTGTATGCTTATGCTTGCACCAATAC 330  
QY 601 CAGCCCTGGTGTGCAATGACGACCTTACCGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 660  
Db 331 TCTCCCTGGGCTGTCAACGATGAGCTTGCCTACCGTGTGCTGCTGCTGCTGCTGCTGCT 390  
QY 661 GCCGGTGCCTGTGCAATCTGCTGCGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 720  
Db 391 GGCTCGAGGCGAGCTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 450  
QY 721 GCTGCAAGAGTTTGTGCTCAGGTACCAACACCGGTGATGATCTCAGACCAACCAAC 780  
Db 451 AAGGGCAAGAGATGATGCTCCAGTCCACCAACACTGGAGGTGATCTCGGCGACCAACCA 510  
QY 781 TTTGATTGAGATGATGCTGGCGGTGGTGGTCTATTCAACCGGTGCGAGTCCCAAGTG 840  
Db 511 TTGATCTCATGATGCTGGCGGTGGTGGTCTATTCAACCGGTGCGAGTCCCAAGTG 568  
QY 841 AACACCAACCGATGCTGGGTGGTGGTCTATTGCGGTGATGATCTATTTCAGAGTGC 900  
Db 569 ----TCGGCAAGGCTCTCGCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 624  
QY 901 GACAAGCTTCTACCAAGTTCGAGGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 960  
Db 625 GATAGCTACCCGAGCTTCTCAAGGACGGTTCAGGAGCGGTGGTGGTGGTGGTGGTGGTGG 684  
QY 961 GCTGACAAACCGAGGTCACCTTCAAGGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1020  
Db 685 GCCGACAAACCTGACTTACCTTTGAGCAGGTTTCAAGGCTGGTGGTGGTGGTGGTGGTGG 744  
QY 1021 ACTGGTTGGGAGCG 1034  
Db 745 AGTGGATGCAAGCG 758  
RESULT 9  
US-09-230-665-3  
; Sequence 3, Application US/09230665  
; Patent No. 6322595  
; GENERAL INFORMATION:  
; APPLICANT: Boyer, Stanton L  
; TITLE OF INVENTION: Detergent Composition Comprising Two Cellulase  
; TITLE OF INVENTION: Components, with and without a Cellulose-Binding Domain  
; FILE REFERENCE: 6191 Sequence Listing (8 Sequences)  
; Patent No. 6322595  
; CURRENT APPLICATION NUMBER: US/09/230,665  
; CURRENT FILING DATE: 1999-01-29  
; EARLIER APPLICATION NUMBER: 60/023,125  
; EARLIER FILING DATE: 1996-07-30  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: Patent In Ver. 2.1



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; SEQ ID NO 3
; LENGTH: 14
; TYPE: DNA
; ORGANISM:
; FEATURE:
; NAME/KEY:
; LOCATION:
US-09-230-665

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Query Match	22.6%	Score 235.2;	DB 4;	Length 1473;
Best Local Similarity	63.8%	Pred. No. 4.8e-45;		
Matches 392;	Conservative 0;	Mismatches 213;	Indels 9;	Gaps 2;
Qy	424	TCTGGAACGGTCGCACCTACCCGCTACTGGGATTGCTGCAAGCCCTCTTTGGCCCTGGGAC	483	
Db	151	TCTGGAAGCGGTCACTCTACTCGATACTGGGATTGCTGCAAGCCTTCTTGTCTTGGAGC	210	
Qy	484	GGAAGGGTTCGTAACTAAAGCTGTACTCACTGTGCAAGGATGGTGTGAGCGGCTCTC	543	
Db	211	GGAAGGGTGTGTCAACGCCCTCTTAACTTGTGATAAGAACGCAACCCCATTTCC	270	
Qy	544	GTTTCCGATGTCAGAGCGGTG--CGTCGCGCGCCAGGCTACATGTGCAATGACAAC	600	
Db	271	AACACCAATGCTGTCACCGTTGTGAGGGTGGTGTCTGCTTATGCTTGCAACCATC	330	
Qy	601	CAGCCCTGGTGTCAATGACGACCTTGCCTACGGTTTCGCTGCTGCCAGTCTCGGTAGC	660	
Db	331	TCTCCCTGGGCTGCAACGATGAGCTTGCTACGGTTTCGCTGCTACCAAGATCTCCGGT	390	
Qy	661	GCCGGTGCCTCTGCATTCGTGCTGGGCTGTTACGAGCTTACTTTCACCAACACTGCTGTG	720	
Db	391	GGCTCCGAGGCCAGCTGGTGTGTGCTTGTCTATGCTTTGACCTTCACCACCTGGCCCCG	450	
Qy	721	GCTGGCAAGAACTTGTGCTCCAGGTCAACCAACACCGGTGATGATCTCAGCAACCAAC	780	
Db	451	AAGGGCAAGAAGATGATCGTCCAGTCCACCAACACTGGAGGTGATCTCGCGGCAACCC	510	
Qy	781	TTTGATTTGCAGATCCCGGGGTGGTGTGGCTACTTTCACGGGTGCCAGTCCCGATGG	840	
Db	511	TTGCATCTCATGATGCCCGGGGGTGTGCGGTATCTTTTCGACGGCTGCACCTCTGAGT	568	
Qy	841	AACACCAACACCGATGGCTGGGGTGCCTCGCTATGGCGGTATTAGCTCTATTTACAGATGC	900	
Db	569	---TCGGCAAGGCTCTCGGCGGTGCCAGTACGGGGTATCTCCTCCGAAGCGAATGT	624	
Qy	901	GACAAGCTTCTTACCCAGTTCGAGGTGGTGGTGAAGTGGAGATTCGGATGTTTCAGAAC	960	
Db	625	GATAGCTACCCCGAGCTTCTCAAGGACGGTTGGCCACTGGCGGATTCGACTGGTTTCGAG	684	
Qy	961	GCTGACAACCCAGAGGTCACCTTCAAGGCTGTATTACTTGGCCCTGGCGAGATCATTTGCCA	1020	
Db	685	GCCGACAACCTTGACTTCCACTTTGAGCAGGTTTCAAGTGGCCCAAGGCTCTCTCTGCA	744	
Qy	1021	ACTGGTTGCCAGCG	1034	
Db	745	AGTGGATGCAAGCG	758	

RESULT 10  
US-09-189-028-3  
: Sequence 3, Application US/09189028  
: Patent No. 6423524  
: GENERAL INFORMATION:  
: APPLICANT: Rasmussen, Grethe  
: APPLICANT: Mikkelson, Jan Moller  
: APPLICANT: Schulein, Martin  
: APPLICANT: Patkar, Shankant A.  
: APPLICANT: Hagen, Fred  
: TITLE OF INVENTION: A Cellulase Preparation Comprising an  
: TITLE OF INVENTION: Endoglucanase Enzyme  
: NUMBER OF SEQUENCES: 33  
: CORRESPONDENCE ADDRESS:  
: ADDRESS: No. 64235240 No. 64235240 No. 64235240th America, Inc.

Wed Jun 18 17:55:11 2003

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QY 841 AACACAAACCGATGGCTGGGTGCTCGTATGCGGTATTAGCTCTATTTCAGAGTGC 900
Db 569 -----TCGGCAAGCTCTCGGGGTGCCAGTAGTACGGGGTATCTCTCCCGAAGCGAATGT 624
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Db 625 GATAGCTTACCCCGAGCTTCTCAAGGACGGTTGCCACTTGGCGATTCGACTGGTTCCAGAAC 684
QY 961 GCTGACAAACCGAGGTACCTTTCAAGGCTTGTACTTGGCCCTGCGGAGATCAATTGCCAAG 1020
Db 685 GCCGACAACTGACTTCACTTTGACAGGTTTCAAGGTTTCAAGGCTCTCTCTCGACATC 744
QY 1021 ACTGGTTCCGAGCG 1034
Db 745 AGTGGATGCAAGCG 758

RESULT 11
US-08-651-136C-1
; Sequence 1, Application US/08651136C
; Patent No. 6001639
; GENERAL INFORMATION:
; APPLICANT: Schulein, Martin
; APPLICANT: Andersen, Lene N.
; APPLICANT: Lassen, Soren F.
; APPLICANT: Kauppinen, Markus S.
; APPLICANT: Lange, Lene
; APPLICANT: Nielsen, Ruby I.
; APPLICANT: Ihara, Michiko
; APPLICANT: Takagi, Shinobu
; TITLE OF INVENTION: No. 6001639el Endoglucanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6001639o No. 6001639disk of No. 6001639th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/651,136C
; FILING DATE: 21-MAY-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4366.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 960 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 113..787
US-08-651-136C-1
Query Match 22.4%; Score 233.2; DB 3; Length 960;
Best Local Similarity 60.0%; Pred. No. 1.2e-44; Indels 3; Gaps 1;
Matches 407; Conservative 0; Mismatches 268;
QY 360 CACCAAGGCTGCCACCAACCACTCTCTTCCAACTGGGTACAGGCCCACTTCTGGTGG 419

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Db 109 CACCATGATCTCTCGCCACCAACCGGTTCTCTCGCCCTCCCGGTCCTGGCCCTCGACCA 168
QY 420 CTCTCTGGAAACGCTCGACTACCGCTACTCGGATTGCTCAAGCCCTCTTTGCGCCTG 479
Db 169 GCTCTCGGGCATCGGCCAGACGACCGGTAAGGACTGCTCAAGCCGAGCTGCGCCTG 228
QY 480 GGACGGAAGG---CTTCTGTAACAGCTGTACTACCTGTGCCAGAGATGGTGTGAC 536
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QY 537 CCGTCTCGGTTCGATGTCAGAGCGGTGCGTGGCGGCCAGCGCTTACATGTGCAATGA 596
Db 289 CGACGGGGCTTCCACCGGTCGCGCTCGACGCGGGCGGAGCGCTTACATGTGCTCTC 348
QY 597 CAACGAGCCCTGGGTGTTGTAATGACGACCTTGGCTACGGTTTGGCTGTCGAGTCTCGG 656
Db 349 CCAGAGCCCTGGGGCTGCGAGTGGTGTGCGCTGCTGAGCTGACCTTCAACGCGGGCC 468
QY 657 TAGCGCCGCTGCTCTGCAATCTCTGGGCTGTTACGAGCTTACCTTCAACCAACTGC 716
Db 409 CGGAGCTTCCGAGTGGAGTGGTGTGCGCTGCTGAGCTGACCTTCAACGCGGGCC 468
QY 717 TGCTGCTGCAAGAGTTTGTCTCCAGGTGTCACCAACACCGGTGATGATCTCAGACCAA 776
Db 469 GGTGCGGGCAAGAGATGATTGTGCAAGCGACCAACACCGGTGCGGCGACAA 528
QY 777 CCACCTTTGATTGAGATGCCCGGCTGGTGTGGCTACTTCAAGGCTGCCAGTCCCA 836
Db 529 CCACCTTTGACTGGCCATCCCGGCTGGGCTGTCGGTATTTTCAAGGCTGCACCGACA 588
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Db 589 GTACGGCGTCTCCCGGAGCGCTGGGCGACCGCTACGGGCGATCCATTCCAAGGAAGA 648
QY 897 GTGCGACAGCTTCTTACCCAGTTCAGGCTGGTGGAGTGGAGTGGAGATCGGATGCTCAA 956
Db 649 GTGGGAATCTTCCCGGAGGCGCTCAAGCCCGCTGCAACTGGCGCTTCGACTGGTTCCA 708
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QY 1017 CAAGACTGTTGCGAGCG 1034
Db 769 CAAGAGCGGCTGCTCCG 786

RESULT 12
US-09-229-911A-1
; Sequence 1, Application US/09229911A
; Patent No. 6387690
; GENERAL INFORMATION:
; APPLICANT: Schulein, Martin
; APPLICANT: Andersen, Lene N.
; APPLICANT: Lassen, Soren F.
; APPLICANT: Kauppinen, Markus S.
; APPLICANT: Lange, Lene
; APPLICANT: Nielsen, Ruby I.
; APPLICANT: Ihara, Michiko
; APPLICANT: Takagi, Shinobu
; TITLE OF INVENTION: No. 6387690el Endoglucanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6387690o No. 6387690disk of No. 6387690th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS

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/
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/   APPLICATION NUMBER: US/09/229,911A
/   FILING DATE: 13-Jan-1999
/   CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/   APPLICATION NUMBER: 08/651,136
/   FILING DATE: 21-MAY-1996
/ ATTORNEY/AGENT INFORMATION:
/   NAME: Lambiris, Elias J.
/   REGISTRATION NUMBER: 33,728
/ REFERENCE/DOCKET NUMBER: 4366.200-US
/ TELECOMMUNICATION INFORMATION:
/   TELEPHONE: 212-867-0123
/   TELEFAX: 212-878-9655
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/   LENGTH: 960 base pairs
/   TYPE: nucleic acid
/   STRANDEDNESS: single
/   TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ FEATURE:
/   NAME/KEY: CDS
/   LOCATION: 113..787
/ SEQUENCE DESCRIPTION: SEQ ID NO: 1:
/
/ US-09-229-911A-1
/
/ Query Match      22.4%; Score 233.2; DB 4; Length 960;
/ Best Local Similarity 60.0%; Pred. No. 1.2e-44;
/ Matches 407; Conservative 0; Mismatches 268; Indels 3; Gaps 1;
/
/ QY 360 CACCAAGGTCGCCACCAACCTCTTCCACACATGGCTACAGCCCAATTTCTGGTGG 419
/ DB 109 CACATGCACTCTCCGCCACCAACCGGTCTCGCCCTCCCGTCTGGCCCTTGACCA 168
/ QY 420 TTCTCTGGAAACGGTCGCACTACCGCTACTCGGATTTGTGCAAGCCCTCTTGGCCCTG 479
/ DB 169 GCTCTCGGCATCGGCAGAGACCGGTACTGGACTGTGCAAGCGAGCTGGCGCTG 228
/ QY 480 GACGGAAGG-----CTTCTGTAACCTAAGCTGTACTACCTGTGCGCAAGATGGTGTG 536
/ DB 229 GCCCGCAAGGGCCCTCGTCTCGGTGCAAGGCTGCGCAAGACGACAAACCGCTCAA 288
/ QY 537 CGTCTCGGTTCCAGATGTCAGAGCGGTTGCGTCGGCGGCGAGCCCTACATGTCGAATGA 596
/ DB 289 CGAGCGGGCTCCACCGGTGCGGCTGCGAGCGGGCGGAGCGCTACATGTGCTCCTC 348
/ QY 597 CAACCAAGCCCTGGGTTGTCAATGACGACCTTGCTTACGGTTTCGCTGCTGCCAGTCTCGG 656
/ DB 349 CCAGAGCCCTGGGCGGTGAGCGACGAGCTGTGCTACGGCTGGGCGGCGGTCAAGCTCGC 408
/ QY 657 TAGCGCGGTGCTCTGCATCTGCTGCGGCTGTTAGAGCTTACCTTACCAACACTGC 716
/ DB 409 CGCGAGCTCGGAGTCGAGTGGTCTCGGCTGCTACGAGCTGACCTTCAACAGCGGGCC 468
/ QY 717 TGTGCTGCGCAAGAGTTGCTCTCCAGGTCACCAACACCGGTGATGATCTCAGCACCA 776
/ DB 469 GGTGCGGGGCAAGAAGATGATTGTGAGGCGCAACACCGGTGGGAGCTGGGCGACAA 528
/ QY 777 CCACTTTGATTTCAGATGCGCGCGGTGGTGTGCGGTACTTCAAGCGGTGCGCAGTCCCA 836
/ DB 529 CCACTTTGACCTGGCCATCCCGGTGGCGGTGTGCGGTATTTTCAAGCGCTGACCAACCA 588
/ QY 837 GTGGAACACCAACCGATGGGTGGGTGCTCGCTATGCGGATGATGCTTATTTTCA 896
/ DB 589 GTACGGCGGTCCCGCAACCGCTGGGCGCAACCGTACGCGGCGATCATTTCCAAAGGA 648
/ QY 897 GTCCGACAGACTTCTTACCCAGTTGAGGCTGCTGCAAGTGGAGATTCGATGGTTCAA 956
/ DB 649 GTCCGAATCTTCCCGGAGGCCCTCAAGCCCGGTGCAACTGAGCGGTTCAGTGGTTCCA 708
/ QY 957 GAACGCTGACACCCAGAGGTACCTTCAAGGCTGTTACTTGGCCCTCGCGAGATCATTCG 1016
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/
/ 709 AAAGCGCGACAAACCGTCTGGTCCACCTTCCAGGAGGTGGCGCTGCGCGTCCGAGCTCAGTC 768
/
/ 1017 CAAGACTGTTGGAGCG 1034
/
/ 769 CAAGAGCGGCTGCTCCCG 786
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/ RESULT 13
/ US-08-651-136C-5
/ Sequence 5, Application US/08651136C
/ Patent No. 6001639
/ GENERAL INFORMATION:
/ APPLICANT: Schulein, Martin
/ APPLICANT: Andersen, Lene N.
/ APPLICANT: Lassen, Soren F.
/ APPLICANT: Kauppinen, Markus S.
/ APPLICANT: Lange, Lene
/ APPLICANT: Nielsen, Ruby I.
/ APPLICANT: Ihara, Michiko
/ APPLICANT: Takagi, Shinobu
/ TITLE OF INVENTION: No. 6001639el Endoglucanases
/ NUMBER OF SEQUENCES: 109
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: No. 6001639o No. 6001639disk of No. 6001639th America, Inc.
/ STREET: 405 Lexington Avenue, 64th Floor
/ CITY: New York
/ STATE: New York
/ COUNTRY: United States of America
/ ZIP: 10174-6401
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/651,136C
/ FILING DATE: 21-MAY-1996
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Lambiris, Elias J.
/ REGISTRATION NUMBER: 33,728
/ REFERENCE/DOCKET NUMBER: 4366.200-US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 212-867-0123
/ TELEFAX: 212-878-9655
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/   LENGTH: 927 base pairs
/   TYPE: nucleic acid
/   STRANDEDNESS: single
/   TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ FEATURE:
/   NAME/KEY: CDS
/   LOCATION: 1..924
/
/ US-08-651-136C-5
/
/ Query Match      22.3%; Score 231.8; DB 3; Length 927;
/ Best Local Similarity 62.0%; Pred. No. 2.5e-44;
/ Matches 384; Conservative 0; Mismatches 232; Indels 3; Gaps 1;
/
/ QY 422 TCTCTGGAACCGTGCACCTACCGCTACTGGATTTGCTGCAAGCCCTCTTGGCCCTGGG 481
/ DB 59 TCTCGGAGGATCGGCCAGACGACCGGTACTGGGACTGCTGCAAGCGAGCTGGCGCTGGC 118
/ QY 482 ACGGAAGG---CTTCTGTAACCTAAGCCTGTACTACCTGTGCAAGGATGGTGTGAGCC 538
/ DB 119 CGGCAAGGGCCCTCGTCTCGGTGAGCCCTGCGACAGACGACACCCCTCAACG 178
/ QY 539 GTCTCGGTTCCGATGTCAGAGCGGTTGCGTGGCGGCGCAGGCTTACATGTGCAATGACA 598
/ DB 179 ACGGCGGCTCCACCCCGGTCCGCTGCGAGCGGCGGCGAGCGCTACATGTGCTCTCC 238
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TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 927 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..924  
SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
US-09-229-911A-5  
Query Match 22.3%; Score 231.8; DB 4; Length 927;  
Best Local Similarity 62.0%; Pred. No. 2.5e-44;  
Matches 384; Conservative 0; Mismatches 232; Indels 3; Gaps 1;  
QY 422 TCTCTGGAAGGTCGCACTACCCGCTACTGGGATTGCTGCAAGCCCTCTTGGCGCTGG 481  
Db 59 TCTCGGCATCGGCCAGACGACCCGGTACTGGGACTGTGCAAGCCGAGCTGGCGCTGC 118  
QY 482 ACGAAAGS---CTTCTGTAATAAGCTGTACTACCTGTGCCAAGATGTTGTCAGCC 538  
Db 119 CCGGCAAGGGCCCTCGTCTCGGTGCAAGGCTGCGACAAGAACGAAACCCGCTCAAG 178  
QY 539 GTCTCGGTTCCGATGTCAGAGCGGTGCGTGGCGGCGGCGGCTACATGTGCAATGACA 598  
Db 179 ACGGCGCTCCACCCGGTCCGGTGGGCGGCGGCGGCTACATGTGCTCTCC 238  
QY 599 ACCAGCCCTGGGTTGTCAATGACACCTTGCCTACGGTTTGGTCTGCTGCTGCTGCTG 658  
Db 239 AGAGCCCTGGGCGCTGACGCGAGCTGTCTGCTGCGGCTGGGCGGCGGCTCAAGCTC 298  
QY 659 GCGCGGTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 718  
Db 299 GCAGCTCCGAGTCCGAGTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 358  
QY 719 TCGCTGGCAAGAGTTTGTGCTCCAGGTGCAACACCGGTGATGATCTCAGCACCACCC 778  
Db 359 TCGCGGCAAGAGATGATTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 418  
QY 779 ACTTGTATTTGAGATGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 838  
Db 419 ACTTGTACCTTGGCCATCCCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 478  
QY 839 GGAACACCAACACCGATGCTGGGCGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 898  
Db 479 ACGCGCTCCCGCGAAGCGGCTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 538  
QY 899 GCGAAGAGTTCTTACCCAGTTCAGGCTGGTGGAGTGGAGATTCGGATGTTCAAGA 958  
Db 539 GCGAATCTTCCCGGAGGCGGCTCAAGCCGCGGCTGCAACTGGCGCTTCGACTGTTCC 598  
QY 959 ACGTGACAAACCCAGAGGTCACTTCAAGGCTGTACTTGGCTGCGGAGATCATTTGCC 1018  
Db 599 ACGCGGACAAACCGCTCGGTCACCTTCCAGGAGGTGGCGTGGCGGCGGCGGCGG 658  
QY 1019 AGACTGGTTCGAGCGCAA 1037  
Db 659 AGAGCGGCTGCTCCCGTAA 677

QY 599 ACCAGCCCTGGGTTGTCAATGACGACCTTGCCTACCGTTTGGTGTGCTGCTGCTGCTG 658  
Db 239 AGAGCCCTGGGCGGTGAGGAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 298  
QY 659 GCGCGGCGTCTGATGATTTGCTGCGGCTGTTACGAGTTCACCAACACCTGCTG 718  
Db 299 GCAGCTCCGAGTCCGAGTGTGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 358  
QY 719 TCGCTGCAAGAGTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 778  
Db 359 TCGCGGCAAGAGATGATTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 418  
QY 779 ACTTGTATTTGAGATGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 838  
Db 419 ACTTGTACCTTGGCCATCCCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 478  
QY 839 GGAACACCAACACCGATGCTGGGCGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 898  
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QY 1019 AGACTGGTTCGAGCGCAA 1037  
Db 659 AGAGCGGCTGCTCCCGTAA 677

RESULT 14  
US-09-229-911A-5  
; Sequence 5, Application US/09229911A  
; Patent No. 6387690  
; GENERAL INFORMATION:  
; APPLICANT: Schuelein, Martin  
; Andersen, Lene N.  
; Laessen, Soren F.  
; Kauppinen, Markus S.  
; Lange, Lene  
; Nielsen, Ruby I.  
; Ihara, Michiko  
; Takagi, Shinobu  
; TITLE OF INVENTION: No. 6387690el Endoglycanases  
; NUMBER OF SEQUENCES: 109  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: No. 6387690 No. 6387690disk of No. 6387690th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: United States of America  
; ZIP: 10174-6401  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; FILING DATE: 13-Jan-1999  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/651,136  
; FILING DATE: 21-MAY-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lambiris, Elias J.  
; REGISTRATION NUMBER: 33,728  
; REFERENCE/DOCKET NUMBER: 4366.200-US  
; TELECOMMUNICATION INFORMATION:

APPLICANT: Lange, Lene  
APPLICANT: Nielsen, Ruby I.  
APPLICANT: Ihara, Michiko  
APPLICANT: Takagi, Shinobu  
TITLE OF INVENTION: No. 6001639e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. 6001639e No. 6001639disk of No. 6001639th America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136C  
FILING DATE: 21-MAY-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 894 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..891  
US-08-651-136C-3

Query Match : 22.1%; Score 230.4; DB 3; Length 894;  
Best Local Similarity 62.0%; Pred. No. 5.2e-44;  
Matches 382; Conservative 0; Mismatches 231; Indels 3; Gaps 1;  
QY 422 TCTCTGGAAACGGTGGCACTACCGCTACTGGGATGCTGCAAGCCCTCTTGGCCCTGGG 481  
DB 59 TCTCGGGCATCGGCCAGACACCCGGTACTGGGACTGCTGCAAGCCGAGCTGGCCCTGGC 118  
QY 482 ACGGAAAGG---CTTCTGTAATAAGCCTGTACTCTACCTGTGCAAGGATGGTGTCAAGCC 538  
DB 119 CCGGCAAGGGCCCTCTGCTCCGGTGGAGCCCTGGCAAGAACGACACCCGCTCAAG 178  
QY 539 GTCTCGGTTCCGATGCCAGAGCGGTTGCTCGCGCGGCCAGGCTACATGTGCAATGACA 598  
DB 179 ACGCGGCTCCACCGGTCGGGTGCGACGCGGGCGGCGAGCGCTACATGTGCTCTCC 238  
QY 599 ACCAGCCCTGGGTGTCATGACGACCTTGCCTACGGTTGCTGCTGCCAGTCTCGGTA 658  
DB 239 AGAGCCCTCGGGCGGTGACGACGAGCTGTGACGGCTGGGGCGGCGGTCAAGCTCGCCG 298  
QY 659 GCGCCGGTGTCTGCACTTCTGCTGGCGGTGTTACGAGCTTACTCTTCAACCAACACTGCTG 718  
DB 299 GCAGCTCCGAGTCCGAGTGGTGTGCGCTGTCTACGAGTGTACCTTCAACGCGGCGCG 358  
QY 719 TCCTGGCAAGAGTTTGTGCTCAGGTACCAACACACCGGTGATGATCTCAGCACCAACC 778  
DB 359 TCGGGGCAAGAGATGATTGTGACGGACCAACACACCGGTGGCGACCTGGGCGCAACC 418  
QY 779 ACTTTGATTTGAGATGCCCGCGGGTGGTGTCTGGCTACTTTCAACGGGTGCGAGTCCAGT 838  
DB 419 ACTTTGACCTGGCCATCCCGCGGTGGGGTGTCTGGGTATTTTCAACGGCTGACCGAGT 478

QY 839 GGAAACACCAACCCGATGGCTGGGGTGTCTGCTATATGGCGGTATTAGCTCTATTTCAGAGT 898  
DB 479 ACGGCGCTCCCGGACGAGCGCTGGGGGACCGCTACGGCGGATCCATTCCAGGAAGAGT 538  
QY 899 GCGACAAGCTTCTACCCAGTTGCAAGGCTGGTTGCAAGTGGAGATTTCGGATGTTCAAGA 958  
DB 539 GCGAATCCTTCCCGGAGGCGCTCAAGCCGCGTGCACACTGGCGCTTCGACTGGTTCANA 598  
QY 959 ACGCTGACAAACCCAGAGGTCACTTCAAGGCTGTTACTTGGCCCTGCGGAGATCATTGCCA 1018  
DB 599 ACGCCGACAAACCCGTCGGTCACTTCCAGGAGTGGCCTGCGCGTCCGAGCTCACGTCCA 658  
QY 1019 AGACTGGTTGCGAGCG 1034  
DB 659 AGAGCGGCTGCTCCCG 674

Search completed: June 17, 2003, 18:55:41  
Job time : 60.2121 secs

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